Dryden Research Library Newsletter
August 2003

Dryden Research Library is located in Bldg. 4800 Room 2412.
Check out our home page: http://www.dfrc.nasa.gov/Organizations/TechPubs/Library/index.html
For any of your library needs please contact via email or call:
Barbara Rogers, the Librarian at ext. 3702, email: barbara.rogers@dfrc.nasa.gov
Sylvia Dolber, the Library Technician at ext. 3127, email: sylvia.dolber@dfrc.nasa.gov
The Dryden Research Library staff are part of the ITI/SCSC Team and their Technical Monitor is Ron Ray, at ext. 3687, email: ron.ray@dfrc.nasa.gov

The NASA Dryden Research Library gives Library Tours and Orientation. They will be twice a month on Friday afternoons and take 30 minutes to an hour. This is available for Dryden employees or staff that would like more information on the Research Library services. A tour of the library facilities will be given, with handouts about library services. There will be demonstrations on searching several databases accessible from the Research Library website, including AIAA, Science Direct, ASAP, DTRS, etc. You can bring information on topics you would like to search. Please call Barbara Rogers at ext. 3702 to schedule an appointment.

New Books at Dryden Research Library:

Circulating Books –

QB 44.3 .P75	Understanding the Universe by Raman K. Pinja 2002
TL 671.2 .U56	Pilot's weight and balance handbook by FAA 1969
TL 711 .B6 K4	The instrument flight manual by William K. Kershner 1969
TL 862 .L35 C49	Concept to reality by Joseph R. Chambers 2003 (NASA SP 4529)
UG 626.2 .F57 F57	Dreams of aces: the Hal Fischer story, Korea and Vietnam by Harold E. Fischer 2001

The First Century of Flight – NACA/NASA Contributions to Aeronautics:

1970- Richard T. Whitcomb invented the Supercritical Airfoil to delay the drag rise that accompanied transonic airflow.

1979-1980- Winglets, or small wings, which were applied at the tips of the aircraft's main wing to improve vehicle aerodynamics, were first flown. Originally used on KC-135 aircraft to improve fuel efficiency, they are now universally accepted.

Dryden Authors Published in July:

1. Jones, Thomas P., and Ethan Baumann, *Evaluation of the X-43A Scramjet Engine Controller Performance by Monte Carlo Technique*, AIAA-2003-5192, to be presented at the 39th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit, Huntsville, Alabama, July 20-23, 2003.

Dryden Reports added to DTRS Web site:

1. Schweikhard, Keith A., W. Lance Richards, John Theisen, William Mouyos, and Raymond Garbos, *Flight Demonstration of X-33 Vehicle Health Management System Components on the F/A-18 Systems Research Aircraft,* NASA/TM-2001-209037, December 2001.

2. Corda, Stephen, M. Jake Vachon, Nathan Palumbo, Corey Diebler, Ting Tseng, Anthony Ginn, and David Richwine, *The F-15B Propulsion Flight Test Fixture: A New Facility for Propulsion Research*, NASA TM-2001-210395, July 2001. (H-2457)

3. Moes, Timothy and Kenneth Iliff, *Stability and Control Estimation Flight Test Results for the SR-71 Aircraft With Externally Mounted Experiments*, NASA-TP-2002-210718, June 2002.

4. Voracek, David F., Mercedes Reaves, Lucas G. Horta, and Starr Potter, *Ground and Flight Test Structural Excitation Using Piezoelectric Actuators*, NASA-TM-2002-210724, April 2002.

5. Bui, Trong T., Brett J. Pipitone, and Keith L. Krake, *In-Flight Capability for Evaluating Skin-Friction Gages and Other Near-Wall Flow Sensors*, NASA-TM-2003-210738, Feburary 2003.

6. Diebler, Corey, and Mark Smith, *A Ground-Based Research Vehicle for Base Drag Studies at Subsonic Speeds*, NASA-TM-2002-210737, November 2002.

7. Noffz, Gregory K., Adrienne S. Lavine, and Philip J. Hamory, *Experimental Evaluation of Hot Films on Ceramic Substrates for Skin-Friction Measurement*, NASA-TM-2003-210742, March 2003.

8. Voracek, David, Ed Pendleton, Dr, Kenneth Griffin, Eric Reichenbach, and Leslie Welch, *The Active Aeroelastic Wing Phase I Flight Research Through January 2003*, NASA-TM-2003-210741, April 2003.

9. Brenner, Martin J., and Richard J. Prazenica, *Aeroservoelastic Model Validation and Test Data Analysis of the F/A-18 Active Aeroelastic Wing*, NASA-TM-2003-212021, April 2003.

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